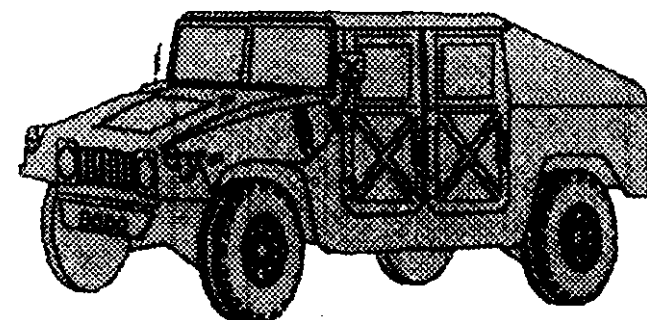
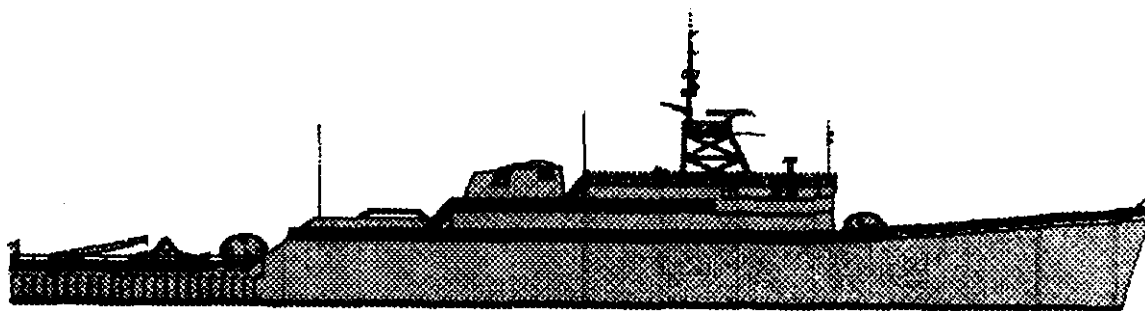
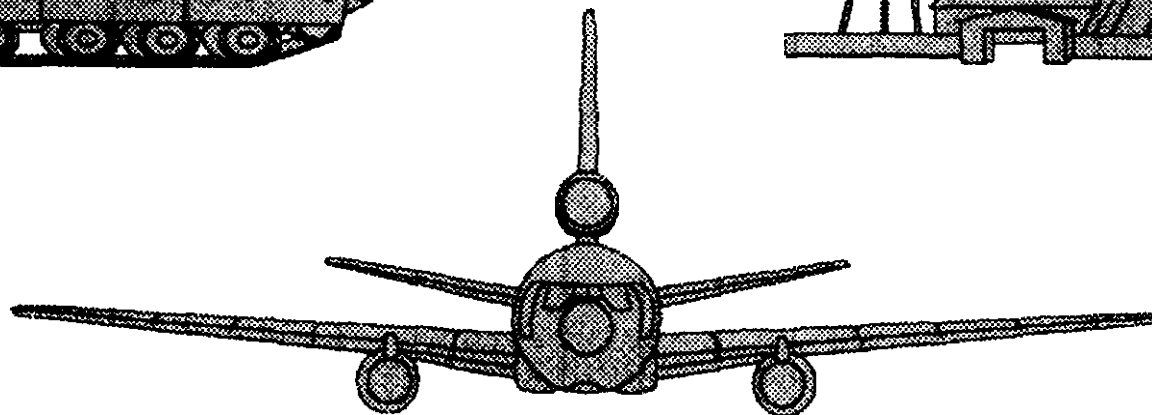
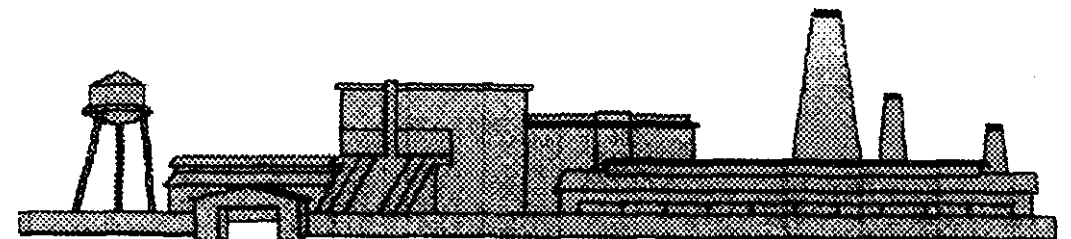
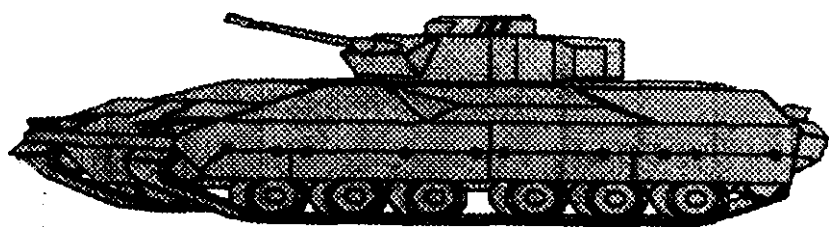


DEPARTMENT OF DEFENSE



DoD MANAGEMENT OF BULK PETROLEUM PRODUCTS, NATURAL GAS, AND COAL



OFFICE OF THE
UNDER SECRETARY OF DEFENSE
ACQUISITION AND TECHNOLOGY

JUNE 1994



ACQUISITION AND
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OFFICE OF THE UNDER SECRETARY OF DEFENSE

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22 JUN 1994

FOREWORD

This manual is issued under the authority of DoD Directive 4140.25, "DoD Bulk Petroleum Management Policy," January 1993 and DoD 4140. 1-R, "DoD Materiel Management Regulation," January 1993. It provides policy guidance, supply procedures, and assigns functional responsibilities for the DoD Integrated Materiel Management (**IMM**) of bulk petroleum products. It also implements the Military Standard Petroleum System (**MILSPETS**) and Defense Fuel Automated Management System (**DFAMS**) which are designed to document inventory data and supply transactions and record such data in a central data bank (via electronic-network) for inventory and financial accountability of bulk petroleum stocks.

In addition to single agency procurement of bulk petroleum products, this manual provides policy guidance and management procedures for central procurement of natural gas (Volume III) and coal (Volume IV) as direct supply by the Defense Fuel Supply Center (**DFSC**).

This manual applies to the Office of the Secretary of Defense (**OSD**), Military Departments, Chairman of the Joint Chiefs of Staff, Unified Combatant Commands, and Defense Agencies (hereafter referred to collectively as "DoD Components").

The Defense Logistics Agency prepared this manual in coordination with the DoD Components; it is effective immediately and mandatory for use by all DoD Components. Heads of DoD Components may issue supplementary guidance for unique management requirements.

See administrative instructions, Volume I for submitting recommended changes to this manual.

This manual cancels Volumes I through IV of DoD 4140.25-M, "Management of Bulk Petroleum Products, Storage, and Distribution Facilities," July 1988.

James R. Klugh

Deputy Under Secretary
of Defense (Logistics)



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TABLE OF CONTENTS

| | <u>Page</u> | | <u>Page</u> |
|---|-------------|---|-------------|
| Foreword | i | E. Requirements for Into-Plane Contracts | 1-2 |
| Distribution of Manual | ii | F. Military Interdepartmental Purchase Request | |
| Table of Contents | iii | (MIPR) | 1-4 |
| Index of References | vii | G. DoD Components Authorized to Submit Procurement Requests to DFSC | 1-5 |
| Acronyms and Abbreviations | ix | | |
| Glossary | xii | CHAPTER 2- PROCUREMENT AND CONTRACT ADMINISTRATION | |
| Administrative Procedures | xx | | |
| | | A. General | 2-1 |
| <u>VOLUME I - INTRODUCTION</u> | | | |
| CHAPTER 1- DoD BULK PETROLEUM MANAGEMENT POLICY | | | |
| A. Purpose | 1-1 | B. Procurement Responsibility | 2-1 |
| B. Applicability and Scope | 1 - 1 | C. Contract Administration | 2-3 |
| c. DoD Policy | 1 - 1 | D. Contract Property Administration | 2-6 |
| D. Responsibilities | 1-1 | | |
| E. procedures | 1-4 | CHAPTER 3- PROCUREMENT QUALITY ASSURANCE (PQA) | |
| F. Reporting Requirements | 1-4 | A. General | 3-1 |
| G. organizations | 1-4 | B. Quality Responsibility | 3-1 |
| H. DLA/DFSC/DFR Supply Assistance | 1-5 | c. Government PQA and Acceptance | 3-1 |
| I. DFSC's Organizational Staff, DFRs, and DFOs | 1-6 | D. Reports | 3-2 |
| | | E. Contract Waivers | 3-2 |
| | | F. Military Technical Quality Offices | 3-2 |
| CHAPTER 2- DFSC FIELD REPRESENTATION | | | |
| A. General | 2-1 | | |
| B. CONUS Defense Fuel Regions | 2-1 | CHAPTER 4- ORDERING, REQUISITIONING, AND SLATING | |
| C. CONUS Defense Fuel Regions - Functions | 2-1 | A. General | 4-1 |
| D. Overseas Defense Fuel Regions | 2-2 | B. Distribution Plan (DP) | 4-1 |
| E. Overseas Defense Fuel Regions - Functions | 2-3 | C. Distribution Plan Authorization (DPA) | 4-1 |
| | | D. Source Identification and Ordering Authorization | 4-2 |
| CHAPTER 3- PETROLEUM PRODUCTS | | | |
| A. Federal Supply Class (FSC) Responsibility | 3-1 | (SIOATH) | |
| B. Bulk Petroleum Products | 3-1 | E. DD Form 1155- Ordering Fuel From Contractor | |
| | | Sources (Refinery) | 4-3 |
| CHAPTER 4- FUEL STANDARDIZATION AND CATALOGING | | | |
| A. Standardization Policy | 4-1 | F. Requisitioning Fuel From Intermediate DFSPS | 4-7 |
| B. Responsibilities | 4-1 | G. Requisitioning Fuel Additives | 4-8 |
| C. Administrative Functions | 4-1 | H. Stock Distribution Between Base-Level DFSPS | 4-9 |
| | | I. Slating Program | 4-9 |
| <u>VOLUME II - BULK PETROLEUM MANAGEMENT</u> | | | |
| CHAPTER 1 - REQUIREMENTS FOR PETROLEUM PRODUCTS | | | |
| A. General | 1-1 | | |
| B. Budget/Procurement Data | 1-1 | A. Shipment Notices | 5-1 |
| C. Requirements for Petroleum Products | 1-2 | B. Shipment and Receipt Documents | 5-1 |
| D. Requirements for Commercial Services | 1-2 | c. Delivery Hours | 5-2 |
| | | D. Common Receipt Practices | 5-2 |
| | | E. Determining Receipt Quantities | 5-3 |
| | | F. Determining Issue Quantities at DFSPS | 5-5 |
| | | G. Measurement and Temperature Correction (Volume Correction) | 5-5 |
| | | H. Shipping and Receipt Discrepancies | 5-6 |
| | | 1. Issues By MSC-Controlled Tankers at Sea | 5-7 |
| | | J. DoD Aircraft Refueling Identaplates | 5-8 |

| | <u>Page</u> |
|---|-------------|
| K. Aircraft Refueling at Into-plane Contract Locations | 5-8 |
| L. Aircraft Refueling at Military Bases | 5-8 |
| M. Into-Plane Issues/Defuel Transactions at DFSPS | 5-8 |
| N. Local Issues of Ground Fuel at DFSPS | 5-9 |
| O. DFAMS Reporting | 5-9 |

APPENDIX A

| | |
|------------------------|-----|
| A. Volume Calculations | A-1 |
|------------------------|-----|

CHAPTER 6- TRANSPORTATION

| | |
|---|-------|
| A. General | 6 - 1 |
| B. Rates and Routes | 6 - 1 |
| C. Bills of Lading (CONUS/Alaska) | 6-2 |
| D. Demurrage/Detention | 6-2 |
| E. Loading and Receiving Capabilities | 6-3 |
| F. Pipelines | 6-3 |
| G. B a r g e S h i p m e n t s | 6 4 |
| H. GBL Shipment Rejections (CONUS) | 6-5 |
| I. Safety | 6-5 |
| J. Inland Transportation Overseas | 6-5 |
| K. Military Sealift Command (MSC) | 6-5 |
| L. Funding Transportation Costs | 6-6 |
| M. Underway Replenishment (UNREP) | 6-6 |
| N. In-Port Replenishment (INREP) | 6-6 |
| O. Consolidated Cargo (CONSOL) | 6-6 |

CHAPTER 7- QUALITY SURVEILLANCE

| | |
|--|-------|
| A. General | 7-1 |
| B. Quality Surveillance (QS) Program | 7 - 1 |
| C. Quality Surveillance Responsibilities | 7-1 |
| D. Minimum Sampling and Testing Requirements | 7-2 |
| E. Fuel Laboratories | 7-2 |
| F. Stock Rotation Program | 7-2 |
| G. Off-Specification Product | 7 4 |
| H. Contaminated Tanker Cargoes (Off-Spec Product) | 7-4 |
| I. Tank Coating and Cleaning Criteria | 7-4 |
| J. Product Use and Intra-Governmental Receipt Limit | 7-S |

CHAPTER 8- MANAGEMENT OF STORAGE AND DISTRIBUTION FACILITIES

| | |
|--|-------|
| A. General | 8-1 |
| B. Types of Bulk Petroleum Storage Terminals (or DFSPS) | 8-1 |
| C. GOGO DFSPS | 8-1 |
| D. GOCO DFSPS (Permitted/Licensed to DLA) | 8-3 |
| E. GOCO DFSPS (Not Permitted/Licensed to DLA) | 8-3 |
| F. COCO DFSPS | 8-4 |
| G. Foreign Governments (FG) DFSPS | 8-5 |
| H. Inspections | 8 - 5 |
| I. Environmental Protection Program | 8-5 |
| J. Worldwide Inventory and Storage Plan (WISP) | 8-6 |

| | <u>Page</u> |
|--|-------------|
| K. Bulk Petroleum Storage Facilities Report (RCS: DD-(P&L(A)506) | 8-6 |
| L. Military Construction (MILCON), Maintenance, Repair , Minor Construction, and Environmental Compliance Programs | 8-7 |

CHAPTER 9- AFLOAT PRE-POSITIONING FORCE (**APF**)

| | |
|--|-----|
| A. General | 9-1 |
| B. Accountability | 9-1 |
| C. Documentation | 9-2 |
| D. Floating DFSP Message Report (Modified DLA 1884 Report) | 9-3 |
| E. APF Quality and Quantity Certification Procedures | 9-3 |
| F. Quality Surveillance (QS) | 9-4 |

CHAPTER 10- ACCOUNTABILITY

| | |
|---|-------|
| A. General | 10-1 |
| B. Functional Responsibilities | 10-1 |
| C. Reporting Inventory and Associated Transactions | 10-2 |
| D. Operating-Storage and Intransit Variances (Losses/Gains) | 104 |
| E. Imported Fuel | 10-9 |
| F. Authorized Issues | 10-10 |
| G. Replacement-in-Kind and Fuel Exchange (RIK and FEAs) Agreements | 10-10 |
| H. Loaning Fuel to Commercial Oil Companies | 10-11 |
| I. Product Returns for Credit | 10-11 |
| J. Excess Stock | 10-12 |
| K. Bulk Petroleum Terminal Message Report (RCS: DLA(W)1884(DFSC)MIN) | 10-13 |

CHAPTER 11 - MANAGEMENT OF POS AND BPWRS LEVELS

| | |
|--|------|
| A. General | 11-1 |
| B. POS Policy | 11-1 |
| C. Formula for Computing POS Levels | 11-2 |
| D. BPWRS Policy | 11-3 |
| E. Other Stocks Overseas | 11-3 |
| F. Stock Positioning and Facilities | 11-4 |
| G. Inventory Management Plan (IMP) | 11-4 |
| H. Functional Responsibilities | 11-5 |
| I. IMP Table of Events | 11-6 |

CHAPTER 12- FINANCIAL OPERATIONS

| | |
|--|------|
| A. General | 12-1 |
| B. Policy | 12-1 |
| C. Procedures | 12-1 |
| D. DFSC Billing Criteria for Bulk Petroleum Products | 12-1 |

| | <u>Page</u> |
|---|-------------|
| CHAPTER 13- WAR CONTINGENCY AND EMERGENCY CONSIDERATIONS | |
| A. General | 1 3-1 |
| B. National and DoD Policy | 1 3-1 |
| C. Responsibilities | 13-1 |
| D. Bulk Petroleum Capability Report (POLCAP) | 13-3 |
| E. Bulk Petroleum Contingency Report (REPOL) | 13-3 |
| CHAPTER 14- FUEL ALLOCATION PROCEDURES | |
| A. Policy | 14-1 |
| B. General | 14-1 |
| c. scope | 1 4-1 |
| D. Procedures | 14-1 |
| CHAPTER 15- U.S. GOVERNMENT NATIONAL CREDIT CARD (SF 149) | |
| A. General | 15-1 |
| B. Authorized Supplies and Services | 1 5-1 |
| C. GSA Functions | 15-1 |
| D. DoD Administrative Control | 15-1 |
| E. Procedures for Requesting SF 149 | 15-2 |
| F. Completion of SF 149 | 15-2 |
| CHAPTER 16- MILITARY SUPPORT TO CIVIL AUTHORITIES (MSCA) | |
| A. General | 16-1 |
| B. Major Planning Roles | 1 6-1 |
| C. MSCA System Overview | 16-2 |
| D. Emergency Requests/Support Scenario | 1 6-3 |
| E. Immediate Response | 1 6-3 |
| F. Reimbursement of Military Resources | 16-4 |
| G. Responsibilities | 16-4 |
| CHAPTER 17- TRAINING | |
| A. General | 17-1 |
| B. Responsibilities | 17-1 |
| C. Types of Training | 17-1 |
| CHAPTER 18- GASOHOL | |
| A. General | 18-1 |
| B. Policy | 18-1 |
| C. Responsibilities | 18-1 |
| D. Exception Criteria for Use of Gasohol | 18-3 |

VOLUME III - NATURAL GAS

| | |
|--|-----|
| CHAPTER 1- CENTRALIZED ACQUISITION PROGRAM | |
| A. General | 1-1 |
| B. Policy | 1-1 |
| C. Responsibilities | 1-2 |

| | <u>Page</u> |
|--|-------------|
| CHAPTER 2- CENTRALIZED CONTRACTING PROCESS | |
| A. Direct Supply Natural Gas Contract Transition | 2-1 |
| B. Contract Administration | 2-1 |
| C. Contracting Process | 2-1 |
| D. Curtailment Procedures | 2-4 |
| E. Ordering, Invoicing, and Payment Procedures | 2-4 |
| F. Solicitation/Contract Distribution | 2-6 |
| G. Direct Supply Natural Gas (DSNG) Training Program | 2-7 |
| H. Central Technical and Program Management Offices | 2-7 |

APPENDICES

| | |
|---|-----|
| A. Direct Supply Natural Gas (DSNG) Data Requirements (D D F o x ' 1 1 1 2 6 9 2 ~ A - 1 | |
| B. Direct Supply Natural Gas (DSNG) Procurement-B-1 Areas | |
| C. Direct Supply Natural Gas (DSNG) Procurement Schedule | c-1 |
| D. Direct Supply Natural Gas (DSNG) Procedures for Managing Gas in California | D-1 |
| E. Natural Gas Transition of Existing Source Supply Contracts to DFSC Decision Matrix | E-1 |
| F. Direct Supply Natural Gas Economic Analysis-F-1 Spreadsheet | |

VOLUME IV - COAL

| | |
|---|-----|
| CHAPTER 1 - REQUIREMENTS, PROCUREMENT, AND DISTRIBUTION | |
| A. General | 1-1 |
| B. Requirements | 1-1 |
| C. Procurement | 1-1 |
| D. Transportation | 1-2 |
| E. Excess Stock | 1-2 |
| F. Standardization and Cataloging | 1-2 |
| G. Quality Complaints | 1-2 |

| | |
|--------------------------------------|-----|
| CHAPTER 2- CONTRACT ADMINISTRATION | |
| A. Policy | 2-1 |
| B. Quality/Quantity Requirements | 2-1 |
| C. Inspection at Source (Origin) | 2-1 |
| D. Product Acceptance at Destination | 2-1 |
| E. Product Rejection at Destination | 2-2 |
| F. Contract Waivers | 2-2 |

FIGURES

| <u>Figure</u> | <u>Title</u> | <u>Page</u> |
|---------------|--|-------------|
| 8-1 | MILCON Program Cycle | 8-17 |
| 8-2 | Annual M&R/MC/EC Program Cycle | 8-18 |
| 11-1 | Stockage Policy - Inventory Situations | 11-8 |

DoD 4140.25-M
Vol I

- 11-2 Regional (DFR/CINC-JPO) ----- 11-9
Notification and Acknowledgment Procedures
- 11-3 DFSP Notification and Acknowledge- —1 1-9
ment Procedures
/.

VOLUME V - MILSPETS

NOTE: Volume V will be published at a latter date.
Continue to use DoD 4140.25-M dated July 1988, Volume
v.

INDEX OF REFERENCES

References are listed in numeric **sequence**. Type of publication is abbreviated as follows: D = Directive, H = Handbook, I = **Instruction**, M = Manual, and R = Regulation.

| <u>Number</u> | <u>Title</u> | <u>Number</u> | <u>Title</u> |
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ACRONYMS AND ABBREVIATIONS

| <u>Acronym</u> | <u>Definition</u> | <u>Acronym</u> | <u>Definition</u> |
|----------------|--|----------------|---|
| AAC | Activity Address Code | COMPSRON | Squadron Commander Maritime Pre-position Ships |
| ACOM | Atlantic Command | COMSC | Commanding Officer Military Sealift Command |
| ACSSA | Acquisition Cross Servicing Agreement | CONUS | Continental United States (48 states) |
| ADUSD(L) MRM | Assistant Deputy Under Secretary of Defense (Logistics) Materiel and Resource Management | CONUSA | Continental United States Army |
| AF | Air Force | COR | Contracting Officer Representative |
| AFB | Air Force Base | CSAP | Customer Supply Assistant Program |
| AGRMT LINO | Agreement Line Item Number | DAAS | Defense Automated Addressing System |
| AIG | Address Indicator Group | DADS | DFAMS Asynchronous Dial-up System |
| ANMCC | Alternate National Military Command Center | DASC | DLA Administrative Support Center |
| AO | Accountable Officer | DBOF | Defense Business Operations Fund |
| APF | Afloat Prepositioning Force | DCMAO | Defense Contract Management Area Operations |
| API | American Petroleum Institute | DCMC | Defense Contract Management Command |
| ARB | Air Reserve Base (Air Force Reserve) | DCMCI | Defense Contract Management Command International |
| ARS | Air Reserve Station (Air Force Reserve) | DCMD | Defense Contract Management District |
| ASTM | American Society for Testing and Materials | DCO | Defense Coordinating Officer |
| AVFUEL | Aviation Fuel | DDR | Daily Demand Rate |
| BAFO | Best and Final Offer | DEPPM | Defense Energy Program Policy Memorandum |
| BBL | Barrel | DFAMS | Defense Fuel Automated Management System |
| BEP | Basic Emergency Plan | DFARS | DoD FAR Supplement |
| BFMO | Base Fuel Management Office | DFAS | Defense Finance and Accounting Service |
| B/L | Bill of Lading | DFO | Defense Fuel Office |
| BBL | Barrel | DFR | Defense Fuel Region |
| BPH | Barrels Per Hour | DFSC | Defense Fuel Supply Center |
| BPWRR | Bulk Petroleum War Reserve Requirement | DFSP | Defense Fuel Support Point |
| BPWRS | Bulk Petroleum War Reserve Stock | DGSC | Defense General Supply Center |
| BRAC | Base Realignment and Closures | DI | Document Identifier |
| CAA | Clean Air Act | DIC | Document Identifier Code |
| CAO | Contract Administrative Office | DICP | Designated Intermediate Control Point |
| CAS | Contract Administration Services | DIDS | Defense Integrated Data System |
| CBL | Commercial Bill of Lading | DIEGME | Diethylene Glycol Monomethyl Ether |
| c c c | Command Control Center | DISCON | Discrepancy in Shipment Confirmation |
| CD | Code | DLA | Defense Logistics Agency |
| CDR FORSCOM | Commander, Forces Command | DLAR | Defense Logistics Agency Regulation |
| CENTCOM | Central Command | DLMSO | Defense Logistics Management Support Office |
| CEOA | Central European Operating Agency | DLSC | Defense Logistics Service Center |
| CEPS | Central European Pipeline System | DoD | Department of Defense |
| CINC | Commander in Chief | DoDAAC | Department of Defense Activity Address Code |
| CINCAMC | Commander in Chief, Air Mobility Command | DoDAAD | Department of Defense Activity Address Directory |
| CINCCENT | Commander in Chief Central | DoD(C) | Department of Defense (Comptroller) |
| CINCEUR | Commander in Chief European Command | DoE | Department of Energy |
| CINCLANT | Commander in Chief Atlantic | DOMS | Director of Military Support |
| CINCPAC | Commander in Chief Pacific | DOS | Days of Supply |
| CINCSO | Commander in Chief South | DP | Distribution Plan |
| CJCS | Chairman Joint Chiefs of Staff | DPA | Distribution Plan Authorization |
| CLIN | Contract Line Item Number | | |
| COB | Collocated Operating Bases | | |
| Coco | Contractor-Owned Contractor-Operated | | |

| <u>Acronym</u> | <u>Definition</u> | <u>Acronym</u> | <u>Definition</u> |
|----------------|---|----------------|---|
| DRF | Defense Revolving Fund | JPRB | Installation Planning and Review Board |
| DRIS | Defense Regional Interservice Support | IPRFP | Installation Planning Review Functional Panel |
| DRMO | Defense Reutilization and Marketing Office | ISA | Interservice Support Agreement |
| DRMS | Defense Reutilization and Marketing Service | ISCP | Installation Spill Contingency Plan |
| DSN | Defense Switching Network | JCS | Joint Chiefs of Staff |
| DSNG | | JMPAB | Joint Materiel priorities and Allocations Board |
| DUECC | Defense Utilities Energy Coordinating Council | JP_ | Jet Petroleum 8 (JP8), etc. |
| DUSD | Deputy Under Secretary of Defense | JPo | Joint Petroleum Office |
| DUSD(L) | DUSD for Logistics | JRDC | Joint Regional Defense Command |
| EDP | Emergency Distribution Plan | JSOP | Joint Strategic Objective Plans |
| EFB | Emergency Fuel" Buy | JTF | Joint Task Force |
| EGME | Ethylene Glycol Monomethyl Ether | KSN | Kerosene |
| EPA | Environmental Protection Agency | LDC | Local Distribution Company |
| ERQ | Economic Resupply Quantity | LRC | Logistics Readiness Command |
| ERS | Emergency Relocation Site | LT | Long Ton |
| EUCOM | European Command | LTLS | Less Than Truckload Shipment |
| FAA | Federal Aviation Agency | M&R | Maintenance and Repair |
| FAMS | Fuels Automated Management System | MAP | Military Assistance Program |
| FAR | Federal Acquisition Regulation | MC | Minor Construction |
| FCO | Federal Coordinating Officer | MDQ | Maximum Daily Quantity |
| FEA | Fuel Exchange Agreement | MGT | Management |
| FEMA | Federal Emergency Management Agency | MILCON | Military Construction |
| FER | Federal Energy Regulation | MILSPETS | Military Standard Petroleum System |
| FG | Foreign Government | MILSTRAP | Military Standard Transaction Reporting and Accounting Procedures |
| FLIP | Flight Information Publication | MILSTRIP | Military Standard Requisitioning/Issue Procedure |
| FMS | Foreign Military Sales | MIPR | Military Interdepartmental Purchase Request |
| FOB | Free on Board | MIRR | Materiel Inspection and Receiving Report |
| FORSCOM | Forces Command (Army) | MOU | Memorandum of Understanding |
| FRP | Federal Response Plan | MSC | Military Sealift Command |
| FSC | Federal Supply Class | MSCA | Military Support to Civil Authorities |
| FSI | Final Shipment Indicator | MSCP | Military Service Control Point |
| FSII | Fuel System Icing Inhibitor | MTMC | Military Traffic Management Command. |
| FTS | Federal Telecommunication System | MTMCEA | Military Traffic Management Command Eastern Area |
| FY | Fiscal Year | NASA | National Aeronautics and Space Administration |
| GAO | General Accounting Office | NATO | North Atlantic Treaty Organization |
| GBL | Government Bill of Lading | NGR | National Guard Regulation |
| GFM | Government Furnished Materiel | NLT | No Later Than |
| GOCO | Government-Owned Contractor-Operated | No. | Number |
| GOGO | Government-Owned Government-Operated | NOSR | Naval Oil Shale Reserves (Gas) |
| GSA | General Services Administration | NPDES | National Pollutant Discharge Elimination System |
| HNs | Host Nation Support | NSN | National Stock Number |
| HQ | Headquarters | O&M | Operations and Maintenance |
| IAD | Inventory Adjustment Document | OA | Obligation Authority |
| IAW | In Accordance With | OCR | Optical Character Recognition |
| ICP | Inventory Control Point | OJCS | Office of Joint Chiefs of Staff |
| ID | Identifier | OPCON | Operation Control |
| IFB | Invitation For Bid | OSD | Office of Secretary of Defense |
| IG | Inspector General | OSD(L) | OSD (Logistics) |
| ILP | International Logistics Program | | |
| IMM | Integrated Materiel Management | | |
| IMP | Inventory Management Plan | | |
| INDC | Indicator | | |
| IPD | Issue Priority Designator | | |

| <u>Acronym</u> | <u>Definition</u> | <u>Acronym</u> | <u>Definition</u> |
|-----------------|--|---------------------|--|
| PA | Property Administrator | SUPPADD | Supplementary Address |
| PACOM | Pacific Command | TAD | Type Activity Designator |
| PAO | Peacetime Acquisition Objective | TC | Tank Car |
| PC&S | Posts, Camps, and Stations | TDR | Transportation Discrepancy Report |
| PD | Priority Designator | TSN | Transaction Sequence Number |
| PDC | publication Distribution Center | TT | Tank Truck |
| PDO | Property Disposal Office | UEcc | Utilities Energy Coordination Council |
| PIIN | Procurement Instrument Identification Number | UI | Unit of Issue |
| PMAT | Petroleum Management Assistant Team | UMMIPS | Uniform Materiel Movement/Issue priority System |
| POA | Peacetime Operating Assets | UNCL | Unclassified |
| Poc | Point of Contact | UNREP | Underway Replenishment (Navy) |
| POL | Petroleum, Oil, and Lubricants | Us. | United States |
| POLCAP | Bulk Petroleum Capabilities Report | USA | United States Army |
| POM | Program Objective Memorandum | USACOM | United States Atlantic Command |
| Pos | Peacetime Operating Stock | USAF | United States Air Force |
| POSA | Peacetime Operating Stock Authorization | USAPC | U. S. Army Petroleum Center |
| PPD | Project Priority Document | USCENTCOM | United States Central Command |
| PQA | Procurement Quality Assurance | USD(A&T) | Under Secretary of Defense (Aquistitiou & Technology) |
| PQS | Petroleum Quality Surveillance | USEURCOM | United States European Command |
| PR | Purchase Request | USN | United States Navy |
| PTQ | Pipeline Time Quantity | USPACOM | United States Pacific Command |
| QA | Quality Assurance | USSOUTHCOM | United States Southern Command |
| QAR | Quality Assurance Representative | VESAAC | Vessel Activity Address Code |
| QAS | Quality Assurance Specialist | WAA | Wartime Aircraft Activity |
| QR | Quality Representative | WAS | Weekly Arrival Schedule (ocean tankers) |
| QS | Quality Surveillance | WISP | Worldwide Inventory and Storage Plan |
| QSR | Quality Surveillance Representative | WMPc | War Materiel Procurement Capability |
| RCS | Report Control Symbol | WMR | War Materiel Requirement |
| RDD | Required Delivery Date | WRP | War Reserve program |
| RDo | Redistribution Order | YO/YON | Yard Oiler |
| REPOL | Bulk Petroleum Contingency Report | | |
| RFP | Requests for Proposal | | |
| RI | Routing Identifier | | |
| RIK | Replacement-in-Kind | | |
| REMT | Regional Emergency Management Team | | |
| RMEc | Regional Military Emergency Coordinator | | |
| RO | Responsible Officer | | |
| RP | Record Position | | |
| SA | Supplementary Address | | |
| SAPO | Subarea Petroleum Office | | |
| SBSS | Standard Base Supply System | | |
| SCP | Service Control Point | | |
| SDA | Static Dissipator Additive | | |
| SIOATH | Source Identification and Ordering Authorization | | |
| SL | Safety Level | | |
| SOCOM | Special Operations Command | | |
| SOUTHCOM | Southern Command | | |
| SPACECOM | U. S. Space Command | | |
| SPCCP | Spill Prevention Control and Counter-measure Plan | | |
| STARC | State Area Command (Army National Guard) | | |
| STRATCOM | Strategic Command | | |
| SUMO | Service Utilities Management Office | | |
| SUPAAC | Supplementary Activity Address Code | | |

GLOSSARY

Accountable. Officer (AO). A Government employee (military or civilian) so appointed by proper authority to maintain item/financial records of Government property; such person may or may not have possession of the property (re: DoD 7200. 1O-M). See also Responsible **Officer**.

Accountability. The obligation imposed by law, lawful order, or regulation on an **officer** for keeping accurate records of property, funds, or documents; such person may or may not have custody of the property, finds, or documents. “Accountability” is concerned primarily with records, whereas “responsibility” is concerned primarily with custody, care, and safekeeping (re: DoD 7200. 1O-M and Joint Pub 1-02).

Acquisition Objective. The quantity of war reserve stocks requested for finding in any fiscal year to buildup intermediate DFSP levels.

Advice of Obligation Authority. Funding document that permits the receiving activity to incur obligations and expenditures within the limits established in the document. The Advice of Obligation Authority cannot be redelegate to others. A violation of subsections 134 I(a) or 1517(a) of 31 U.S.C. occurs when the specific dollar limitation is exceeded.

Alongside Aircraft Fuel Delivery. Transporting Government-owned fuel from a storage facility into the **fuel** tanks of an **aircraft**. Charges for this service do not include the cost of the fuel.

Alternative Fuels. Products used in place of gasoline and diesel fuels (such as compressed natural gas, liquefied natural gas, electricity, and alcohols). These products cannot be used in gasoline or diesel engines **unless** the engine is modified or replaced. The term is also used to refer to **fuels** that have been reformulated, blended with oxygen-rich components or otherwise altered to comply with environmental regulations (examples include reformulated gasoline, gasohol, oxygenated gasoline and low sulfur diesel). These **fuels** can be used in engines without modifications.

AVGAS. Common expression for aviation gasoline such as grades 100/130 and 115/145.

Aviation Fuel (AVFUEL). Petroleum products **formulated** and blended for use in **aircraft** engines (**jet**, **reciprocating**, and **piston** engines).

Base-Level DFSP. DFSP located on a service-operated military installation that routinely issues to end user.

Base-Level Quality Surveillance. Military quality control measures requiring limited base-level tests to evaluate the cleanliness of fuel and fuel-handling systems for operational **use**; such efforts are not a substitute for area **fuels** laboratory requirements. Military Services fired base-level quality **surveillance** costs. (Note, DLA reimburses the Military Services for providing testing services of DLA-owned products at area fuel laboratories.)

Barrel (BBL). A unit of quantity for oil equal to 42 U.S. gallons or 9702.0 cubic inches.

Blended Gasoline. Oxygenated and reformulated gasoline and gasohol procured under ASTM **D4814** and gasohol procured under **MIL-G-53306**.

Bonded Fuel. Petroleum products imported from a foreign supplier into the U.S. and used by vessels or aircraft for flights or voyages outside the CONUS area. Reference DLAR 4220.4, Petroleum Products Imports.

Breakout Tankage. Storage tanks associated with pipelines systems as intermediate storage to facilitate product deliveries to DFSPS.

Bulk Petroleum Product. Petroleum product delivered in volumes greater than 208 liters (55 U.S. gallons) such as tank **trucks/cars**, pipelines, coastal barges, and ocean tankers. Product is stored in tankage having a **fill** capacity **greater** than 208 liters (55 U.S. **gallons**). (Exception, **fuel** in 500 gallon (1900 liters) collapsible drums are **managed/supplied** by DGSC via **MILSTRIP** system.)

Bulk Petroleum War Reserve Requirement (BPWRR). Fuel required in support of the SECDEF Defense **Planning** Guidance to be positioned prior to hostilities at or near the point of planned use; it is designed to reduce reaction time and to ensure adequate support of military forces during early stages of war until stocks can be replenished.

Bulk Petroleum War Reserve Stock (BPWRS). The **on-hand** assets designated to satisfy the BPWRR. It should be **dedicated**, set aside, and quantifiable stocks of militarily suitable products.

Bulk Storage Facility. Tankage storing **DLA-owned** bulk petroleum products purchased under bulk contracts.

Bunker. A compartment below deck for storing **fuel** used in the boiler firing of a ship; to load **fuel** into a vessel's **bunker for its own use** as distinguished from loading it as cargo.

Burner Tip. The point in an installation's natural gas system at which the natural gas is actually consumed.

Capitalization. The process whereby the DLA division of the Defense Business Operations Fund assumes management responsibility **and** ownership (title) without reimbursement for inventories financed from other DoD appropriations or funds, except as provided by DoD 7420. 13-R, Stock Fund Operations.

Citygate. The point in the natural gas transmission system at which the LDC receives wholesale gas deliveries.

Clean Alternative Fuel. Any fuel (including methanol, ethanol, or other alcohols at 85 percent or more by volume), reformulated gasoline, diesel, natural gas, **liquified** petroleum gas, and hydrogen or power sources (including electricity), used in a **cleanfuel** vehicle that complies with the emission standards in section 241(2) of the Clean Air Act.

Clean Fuel Vehicle. A vehicle in a class or category of vehicles which has been certified to meet for any model year the **clean** fuel vehicle emission standards applicable in section 214(7) of the Clean Air Act.

Common-Service. Nonreimbursable service that has *been directed* by OSD or *agreed upon between or among* DoD Components; services such as operating storage facilities, lab testing, telephone/office equipment.

Consolidated Cargo (CONSOL). **MSC-controlled** tanker resupplies fleet oilers with cargo **fuel** at sea.

Construction. The erection, installation, or assembly of **a new real property** facility; **the** addition, *expansion*, extension, alteration, conversion, or replacement of an existing real property facility; or the relocation of a real property facility from one base to another.

Contaminated Product. An off-specification product resulting from mixing with another product or products

of different type and grade or by introduction of foreign matter such as rust, dirt, or water.

Contract Bulletin. Title of pamphlets published/distributed by DFSC which indicate the commercial supplier and associated contract data awarded by DFSC-P. Contract bulletins **supply** fuel in **bulk** such as motor gasoline, diesel, kerosene, and heating oil directly to **military** bases from the local commercial **supplier**; delivery is to the storage designated in the bulletin. Base ordering **officers** order the fuel.

Contract Property Administration. A contract administration **function** with prescribed property management procedures and techniques designed to meet management data requirements of the Government and to protect the interests of the Government at minimum cost.

Contracting Officer Representative (COR). The person designated in writing by the Contracting **Officer**; acts as the authorized COR to monitor specific aspects of the contract and initiate action as authorized in the letter of appointment. COR responsibilities/limitations are established by the Contracting Officer.

Cross-Service. Reimbursable support performed by one **Military Service** for another **Military Service** for which payment is required from the Military Service receiving the support.

Defense Business Operations Fund (DBOF). A DoD financial system that provides cost visibility and accountability wherein DoD operates more like a business. **DBOF functions** as a revolving fund financing inventories of supplies and associated costs. DLA inventories are sold to end user operational accounts (military units and Federal Agencies) which reimburse the **DLA Division, DBOF**.

Defense Fuel Automated Management System (DFAMS). An automated data system with a central data bank which records **MILSPETS** transactions. **DFAMS** is designed to: (1) integrate bulk fuel management data (supply transactions, inventory, financial, procurement, requirements, and distribution), (2) incorporate GAO approved accounting principles and standards to *ensure proper inventory* and financial accounting, and (3) provide DFSC and other DoD Components with management data required in support of decisions and actions in meeting the **fuel** needs of the Military Services and Federal Agencies.

Defense Fuel Office (DFO). A management component

of a DFR; may perform the usual functions of a DFR.

Defense Fuel Region (DFR). A management component of the Defense Fuel Supply Center with a geographic area of responsibility to monitor DFSC contracts for adequate customer support, control fuel deliveries, perform contract administration functions such as property administration and quality surveillance, provide/coordinate transportation support and emergency planning, and report inventory/supply transactions to the central data bank in DFAMS.

Defense Fuel Supply Center (DFSC). An organizational component of the Defense Logistics Agency (DLA). DFSC is the integrated manager/DoD central procurement agent for bulk petroleum, natural gas, coal and associated services. DFSC (DLA) owns and manages the bulk petroleum products in the Defense Department to the point-of-sale (end user); see definition of point-of-sale.

Defense Fuel Support Point (DFSP). A bulk fuel storage facility (or terminal) which receives, stores, and issues DLA-owned product in support of military/Federal Agency requirements. There are two categories of DFSPs: (1) intermediate and (2) base-level. See volume II, chapter 8 for types of DFSPs such as GOGO, GOCO, COCO, FG, and NATO. Note, breakout tanks associated with commercial pipeline systems are not designated DFSPs; such tanks are part of the pipeline system.

Department of Defense Activity Address Code (DoDAAC). A distinct six-position alphanumeric code assigned to identify military, Federal, and contractor units/organizations. Codes are listed in DoD 4000.25-6-M (see reference index).

Designated Intermediate Control Point (DICP). A fuel unit (DFR, SAPO, DFSP, etc.) that provides DFAMS inventory and supply transactions.

DFAMS Asynchronous Dial-Up System (DADS). A software package developed by DFSC whereby DFSPs transmit inventory and supply transactions electronically to the DFAMS central data bank.

Direct Supply Natural Gas Contracting. Contracting under a single manager process that aggregates the requirements of various customers for competitive acquisition.

Distribution Plan (DP). Contract data prepared and published by DFSC to advise DFRs of contract sources

(refineries) or DFSPs and military bases scheduled to receive fuel (see volume II, chapter 4).

Distribution Plan Authorization (DPA). An outline of contract data, quantitative requirements, and ordering limitations per contract; and authorizes DFRs to order fuel from contractors (refineries).

Downgrading. Off-specification or contaminated fuel which is blended with other product for use as a lower grade of fuel,

Economic Resupply Quantity (ERQ). Represents the amount of fuel delivered in increments at the most optimum transportation mode/rate. Factors considered: usable storage capacity, volume rates, depth of waterway, maximum capacity of vessel, and minimum tender acceptable.

Emergency Distribution Plan (EDP). A document designed to show how BPWRS in CONUS is planned to be delivered to base level DFSPs from intermediate DFSPs and the estimated daily delivery rates. Tentative transportation arrangements are made by the CONUS DFRs using data primarily from the Inventory Management Plan (IMP).

Environmental Compliance. See volume II, chapter 8 of this manual.

Firm Natural Gas Contracts. Firm natural gas contracts are those which require delivery via firm pipeline transportation. Pipeline reservation (demand) charges for firm natural gas contracts are paid (whether natural gas is delivered or not) based upon an established maximum daily quantity (MDQ) of natural gas that the pipeline has agreed will be delivered to a firm natural gas transportation customer serviced by the pipeline.

Flash Point. The lowest temperature at which liquid gives rise to a flammable gaseous mixture, demonstrable from its explosive quality.

Floating Storage. Vessels used as DFSPs.

Free-on-Board (FOB) Destination. Product is accepted at destination by the Government. Shipper provides transportation.

Free-on-Board (FOB) Origin. Product is accepted at origin (source) by the Government. Government provides commercial transportation.

Fuels Automated Management System (FAMS). Air

Force electronic data system designed to record supply transactions automatically in peacetime and wartime at the point-of-sale. It improves inventory management, cash flow, **credit management**, and provides associated benefits such as environmental protection, **safety**, and reduced operating costs.

Gasohol. A gasoline-alcohol blend consisting of 90 percent by volume unleaded gasoline and 10 percent by volume 197-proof anhydrous ethyl alcohol, conforming to ASTM D4806. Applicable local environmental regulations are the determining factor concerning whether or not gasohol can be sold and used in carbon monoxide (CO) control areas as an oxygenated gasoline.

Gasoline. A volatile **mixture** of liquid hydrocarbons, containing small amounts of additives, suitable for use as a **fuel** in spark-ignition, **internal** combustion engines which meets the standards established in ASTM D4814.

Gauging. A process of **measuring the height** of a **liquid** in a storage tank. This is usually done by lowering a weighted graduated steel tape through the tank roof and noting the level at which the oil surface cuts the tape when the weight gently touches the tank bottoms.

Ground Products. Fuel used to power vehicles, generators and other ground equipment. Products are usually supplied by PC&S contract bulletins.

Hydrant System. An aircraft fuel servicing **facility** that can provide **fuel** through one or more outlets into an aircraft. The hydrant system generally consists of operating storage tanks (usually 25 to 50,000 gallons/95 to 189,300 liters), pumps, filter-separators, pipelines, and dispensing outlets.

Integrated Materiel Management (IMM). A logistic concept wherein a single agency of the Defense Department has total management responsibility for supplying a specific product or group of related items to the Armed Forces of the United States.

Intermediate Storage (or DFSP). Product stored for subsequent issue to multiple end customers.

Intermodal Tank Container. A delivery device consisting of a **tank** with a capacity ranging from 4,500 to 6,500 gallons (17,000 to 24,700 liters) nestled in a steel frame cage and able to be transported by wheel, rail or water. **Intermodal** tank containers are normally used for delivery of bulk products (lube oils, **FSII**, and

aviation gasoline) where the total requirements and parcel sizes are small and where delivery from supplier to user cannot otherwise be made a single transportation mode.

Interruptible Natural Gas Contracts. Those contracts in which the delivery of natural gas may be curtailed or interrupted (usually with some advance notice) based upon pipeline capacity limitations. Curtailments of this nature are more common during peak demand *time-frames*.

Interservice Support Agreement (ISA). support provided by a military or Federal Agency to another military or Federal Agency and at least one of the agencies is a DoD Component.

Into-Plane. A supply technique whereby the U.S. Government contracts with a contractor to **refuel** **military** aircraft at commercial airports, with **specified** contract fuel. The **fuel**, lube **oil**, and refueling facilities (storage tank, vehicle, and equipment) are supplied by the contractor with commercial product. The *use* of Government refueling trucks, **equipment**, bladders, etc. are not authorized unless so stipulated in the into-plane contract. Note: Commercial aircraft under a **Government** charter or contract may be **refueled** at into-plane locations.

Intra-Governmental Receipt Limit. Maximum or minimum limits permissible for shipment of **DLA-owned** product to an intermediate or base-level **DFSP**. These limits are contained in MIL-HDBK-200, Quality Surveillance Handbook for Fuels, Lubricants and Related Products.

Inventory Management Plan (IMP). A DoD integrated **plan** of bulk **fuel** inventory levels and storage requirements designed to utilize DoD resources more efficiently and provide financial management data.

Joint Petroleum Office (JPO). A unified command staff function responsible for **all** aspects of bulk petroleum logistics within the cognizance of the **CINC**. Responsibilities include the management of bulk petroleum products, including war reserves, peacetime operating stocks, distribution of product, **quality** control, facilities management, and the development of contingency plans.

Local Distribution Company. Term normally used in the natural gas industry referring to the local company responsible for distributing natural gas.

Maintenance. The current, daily, periodic or scheduled work required to preserve a facility from deteriorating. See volume II, chapter 8 of this manual for examples of maintenance projects.

MBRL. Units in thousands of barrels, 200MBBL = 200,000 barrels.

Manifold Fill. The gross volumetric capacity of a pipeline within a **terminal** complex which is used to connect storage tanks.

Marine Fuel. Petroleum products (such as **F76** and marine gas oil (**MGO**)) used in the propulsion of ships/boats and for the operation of marine equipment.

Maximum Fill Level. The highest point to which a *petroleum storage tank may be filled to allow for product expansion and safety.*

Military Construction (MILCON). A single project at a military base that includes **all** construction material needed to produce a complete and usable facility which costs \$300,000 or greater.

Military Interdepartmental Purchase Request (MIPR). A **MIPR** **cites** funds for services to be performed and authorizes obligations and expenditures within specific dollar limitations after the receiving activity formally accepts the **MIPR**. A violation of subsections 134 l(a) or 1517(a) of 31 U.S.C. occurs when the specific dollar limitation is exceeded.

Minor Construction. A single project at a military base that includes **all construction** material needed to produce a **complete/usable** facility or a complete and usable improvement to an existing facility with a total cost less than \$300,000. See volume II, chapter 8 of this manual for examples of minor construction projects.

Mogas. Common expression for motor (automotive) gasoline.

Monthly Switching. This term is unique to the natural gas industry. It's the process by which the LDC allows customers to switch natural gas sources of supply, on an established frequency (i.e., monthly) between the LDC gas "sales" or another supplier's transportation gas.

Non-Recoverable Tank Bottoms. The mixture of fuel, sludge, rust, etc., remaining in a tank which cannot be

recovered as usable fuel.

Ocean Terminals (or DFSPs). Storage facilities capable of discharging and loading ocean tankers and barges.

Order. The placement of a request for fuel **from** a refinery.

Off-Specification. Term describing a petroleum product which fails to meet the requirements of the applicable specification.

Operating Storage. Fuel in tankage that directly supports aircraft **refueling** operations.

Operational Control (OPCON). See Joint Pub 1-02 (formerly JCS Pub 1), Department of Defense **Dictionary of Military and Associated Terms**.

Operations and Organizational Maintenance (O&M). Operating costs such as personnel costs, house-keeping costs (grease valves, replace' gaskets, clean and **maintain** equipment, etc.), and related supplies. This is a military **responsibility**; it is budgeted and funded by the military. The operating and organizational costs of GOGO facilities are not **funded** by DLA/DFSC.

Oxygenated Gasoline. A **reformulated** gasoline, certified by the EPA under rulings implementing the Clean Air Act (**CAA**) for use primarily in CO control areas beginning November 1, 1992, and formulated to reduce vehicle exhaust emissions and to meet the following limits:

- a. Minimum average of 2.7 percent (by weight) **oxygen**, and
- b. Reduced volatility (measured by Reid Vapor Pressure (**RVP**) in pounds per square inch of gravity (**psig**)) during colder months, e.g., November 1-March 1, of a maximum 7.8 psig in CO control areas.

Packaged Petroleum Products. Petroleum products packaged in containers of 55 U.S. gallons (208 liters) or less.

Peacetime Operating Stock (POS). Inventory at DFSPS to sustain peacetime operations. It includes unobtainables, safety levels (if appropriate), **oiler** loadout quantities, augmented **levels** and economic reorder quantity (**ERQ**).

Peacetime Operating Stock Authorization (POSA). The POSA is the total amount of POS authorized at a

given DFSP.

Pipeline Fill. The gross volumetric capacity of cross-country **pipelines** between storage locations. (**Local** pipelines within a terminal are part of the manifold **fill** capacity.)

Point-of-Sale. Where title (ownership) of stocks transfer from DLA to the **Military Services** or Federal Agency.

POL. A broad term which includes all petroleum products used by the Armed Forces. It originated as an abbreviation for petroleum, oil, and lubricants.

Posts, Camps, and Station (PC&S). PC&S is the name of the purchase program used primarily to procure commercial ground product.

Property Administrator. An authorized representative of the Contracting **Officer** appointed/assigned to administer the contract requirements and obligations relating to Government property (FAR 45.5).

Quality Assurance (QA). A contract administration function performed by the Government in determining whether contractors fulfill contract requirements and specifications of petroleum products and related services. (Note: QA ends and QS begins when the product is accepted by the **QAR**; acceptance of the product represents the transfer of ownership from contractor to Government.)

Quality Assurance Representative (QAR). A person who represents the contracting **officer** in performing procurement quality assurance functions of petroleum products at contractor refineries or supply points. Note: DCMC QARs perform QA in CONUS; DCMCI QARs perform QA overseas.

Quality Representative (QR). An organizational title assigned to a person responsible for quality assurance or surveillance functions.

Quality Surveillance (QS). The aggregate of measures (blending, stock rotating, sampling, etc.) used to determine and maintain the quality of Government-owned bulk petroleum products to the degree necessary to ensure that such products are suitable for their intended use.

Quality Surveillance Representative (QSR). An authorized representative of the Contracting **Officer** who performs quality surveillance functions of petro-

leum products at a contractor storage facility, load or discharging ports and commercial pipeline facilities.

Reclamation. The procedure that will restore or change the **quality** of a contaminated or off-specification product so that it will meet the specification of the original product or a lower grade product.

Recoverable Tank Bottoms. Fuel in useable condition below the suction manifold or **drawoff** line of a storage tank which is not available during normal operations but, which can be recovered with bottom suction lines or portable pumps and hoses.

Redistribution Order (RDO). A **document/action** directing the shipment of product between DFSPs. RDOS are controlled by **DFRs** in CONUS and **DFRs/SAPOs** overseas.

Reformulated Gasoline. Gasoline, certified by EPA under rulings implementing Clean Air Act Sections 7401 through 7671. For use primarily in ozone **nonattainment** areas beginning January 1, 1995, and formulated to reduce vehicle exhaust emissions and to meet the following limits:

- a. Minimum average of 2.0 perCent (by weight) **oxygen**;
- b. Maximum average of 1.0 percent (by volume) benzene;
- c. Maximum average of 25 percent (by volume) aromatics;
- d. Reduced volatility (measured by RVP in **psig**) during warmer months, e.g., June 1- September 15, of a maximum 7.2 psig and 8.1 psig in southern and northern **nonattainment** areas, respectively
- e. Lead must be less than 0.13 grams/liter and other heavy metals also controlled; and
- f. Deposit control additives at levels set by EPA.

Region. Area as established in the IMP by **DFSC-OS** (in coordination with the **CINCs** and **Military Services**) for **inventory** management purposes by combining **inventory** levels capable of providing maximum mutual support to a DFSP within their area of responsibility.

Repair. The restoration of a real property facility to such condition that it may be effectively utilized for its

designated purpose. See volume II, chapter 8 of this manual for examples of repair projects and when such projects are classified “construction” projects.

Replacement-in-Kind (RIK). An agreement made to provide reciprocal support between the U.S. military forces and foreign governments.

Requirements Balance. The cumulative difference between the amount of product slated for an ocean DFSP and the cumulative amount received by tankers (cargo number) at the DFSP.

Requirements Determination. A supply function used to compute the fuel needed in support of military operations.

Requisition (DFSP). The placement of a request with a DFSP for fuel.

Responsibility. (1) The obligation to fulfill an assigned task to a successful conclusion; with responsibility goes authority to direct and take the necessary action to ensure success. (2) The obligation for the proper custody, care, and timekeeping of property or funds entrusted to the custody or supervision of a person (re: DoD 7200. 1O-M and JCS pub. 1). See also accountability.

Responsible Officer (RO). A Government employee who is a U.S. citizen (military or civilian) appointed by proper authority to exercise care, custody, and safe-keeping of Government property; property may be in possession or under supervision of such person (re: DoD 7200. 1O-M). See also Accountable Officer.

Safety Level (SL). The amount of fuel included in the POS formula to compensate for variability in resupply time and demand during the resupply cycle. SLS are maintained to prevent stock outages where no BPWRS are held or to provide a confidence level that at least 85 percent of a specific location’s authorized BPWRS levels are available.

Sale. DLA-owned product issued to Military Services, Federal Agencies, etc. from a DFSP or direct from a refinery that result in DFSC billing.

Seasonal Resupply. DFSPS that are resupplied seasonally (such as closed ports in the winter) may establish stock levels sufficient to ensure stock availability between resupply seasons plus 30 days.

Shell Capacity. The gross volumetric capacity

expressed in barrels of a petroleum storage tank, including nonrecoverable tank bottoms.

Slates. Monthly reports of planned requirements for tanker delivery. Slating represents current and future requirements at ocean DFSPS. All slating activities shall calculate requirements for 4 months (current plus 3 months).

Source Identification and Ordering Authorization (SIOATH) Form. The SIOATH document indicates who is authorized to order or requisition bulk fuel directly from a designated supplier. SIOATHs are prepared and issued by DFRs to DoD bases and other Federal units who will be obtaining fuel via DFSC contracts or DFSPS. The two types of SIOATHs are as follows:

- o SIOATHs for contractor (refinery) sources are computer produced by DFAMS but may be manually prepared on DFSC Form 21.1. These contain contract data and maximum quantity to be ordered from a contractor on DD Form 1155, Order for Supplies or Services. Bases schedule actual deliveries.

- o SIOATHs for DFSP sources are prepared on DFSC Form 21. 1; these indicate who may requisition fuel from DFSPS on DD Form 1348-7, DoD MILSPETS Single Line Item Requisition/Release/Receipt Document.

Strapping. Measuring storage tanks and cargo carriers for capacity.

Subarea Petroleum Office (SAPO). Regional components supporting a JPO and usually responsible for regional JPO functions and for coordinating facility projects, inventory/supply reports, slating and transportation requirements between DFSC, MSC, and the Military Services. SAPOS are located overseas.

Supplementary Address. Identifies the recipient of stock or the billing activity when such activity is other than the requisitioner.

Surcharge. A pro rata administrative charge reflecting the operational, general and administrative costs incurred by DFSC for operation of the direct supply natural gas program.

Tankage. Bulk petroleum storage tanks; associated terms:

- o **Expansion Space (Vapor Space).** Space at top of

tank reserved for expansion of fuel resulting from increases in temperature.

o **Ullage.** The volume of available space in a container unoccupied by contents. Hence unaging, a method of gauging the contents of a tank by measuring the height of the liquid surface from the top of the tank.

Tank Car. Rail car specifically designed to transport petroleum products.

Tank Truck (TT). Delivery truck on which a meter is not required, but is equipped with a 15-foot (5 meter) hose and having a capacity generally ranging from 6,500 to 11,000 gallons (24,600 to 41,600 liters).

Tank Wagon (TW). Delivery truck equipped with a meter, nozzle, 100 feet (30 meters) of hose, and used for making multiple, small deliveries and on which seals are not required. Capacity of a tank wagon can range up to 5,200 gallons (19,700 liters).

Truck and Trailer. Delivery truck equipped with a 15-foot (5 meter) hose (meter not required); capacity is normally 9,000 gallons (34,000 liters) minimum.

Ullage. See definition for tankage.

Unavailable Storage. The amount of usable storage (by product) which is within the reporting complex but unable to receive usable product due to: tankage out of service for repair, cleaning, etc.; blending fuel; **cross-country** pipeline fill requirements; or other reasons.

Underway Replenishment (UNREP). Fleet oilers refuel ship bunkers at sea.

Unobtainable Inventory. Quantity required to prime a storage and dispensing system. It consists of **cross-country** or system pipeline fill, manifold fill, and **tank** bottoms below the suction line.

Unusable Storage. Unused tankage space due to structural deficiencies, **safe** fill height restrictions, and floating roof displacement.

Usable Storage. Net volumetric capacity of storage tank, including tank bottoms and pipeline/manifold fill. The available tankage is measured from the bottom of the tank to the maximum fill level.

Use Limits. Acceptable deviations to specification and chemical requirements that **still** permit use of the

product in consuming equipment. These **limits** are contained in the Military Services' regulations and manuals.

War Materiel Procurement Capability (WC). The quantity of an item which can be acquired by orders placed on or after D-Day operation commences from industry or from any other available source during the period prescribed for war materiel procurement **plan-**ning purposes.

Worldwide Inventory and Storage Plan (WISP). A DoD integrated plan of bulk petroleum inventory and storage requirements designed to: utilize DoD resources more **efficiently**, eliminate duplication of effort among DoD Components in obtaining additional storage facilities, and support inventory management decisions in contracting for additional storage facilities.

ADMINISTRATIVE PROCEDURES

A. GENERAL

1. This manual consists of five volumes:

- Volume I Introduction
- Volume I Management of Bulk Petroleum
- Volume III Natural Gas
- Volume IV Coal
- Volume V MILSPETS (to be published at a future date).

2. Page numbers correlate to chapters and appendices. Appendices are numbered by alphanumerics (A1, B1O, etc.). Chapters are organized as follows:

A. Section

1. Subsection

a. Paragraph

(1) Subparagraph

(a) Subparagraph

1 Subparagraph

B. CHANGE NOTICE. Amendments to the manual are **published** as change notices by the Defense Logistics Agency/DLA-MMSB in coordination with DoD Components and **DUSD(L) Materiel** and Resource Management approval. Entire pages may be issued for substantial changes or pages with a marginal line for minor changes. Change notices indicate the **calendar** year and sequence number (93-1, 93-2, 94-1, **etc**).

C. DISTRIBUTION. See page ii (Distribution of Manual) in the front of this manual for distribution **information**.

D. RECOMMENDED CHANGES will be submitted through command channels to:

- I. **Volumes I-IV** Defense Logistics Agency/MMSB
Cameron Station
Alexandria, VA 22304-6100
- 2. **Volume V:** Director
Defense Logistics Management Standards **Office**
ATTN: DLMSO-PM
6301 Little River Turnpike, Suite 220
Alexandria, VA 22312-3508

VOLUME I - INTRODUCTION

CHAPTER 1

DoD BULK PETROLEUM MANAGEMENT POLICY

A. PURPOSE

1. Integrated Materiel Management (IMM). This manual implements DoD Directive 4140.25, DoD Bulk Petroleum Management Policy, January 8, 1993; it prescribes policy guidance, supply operating procedures, *reporting* instructions, and assigns functional responsibilities at the unit and organizational levels for the integrated management of bulk petroleum products and associated bulk storage facilities.

2. Bulk Petroleum IMM Objectives

a. Purchase, store, and distribute bulk petroleum products in an economical and **efficient** manner.

b. Maintain essential and properly positioned inventories and storage facilities in support of peacetime and wartime requirements.

c. Provide **efficient** financial management and effective use of resources for the DoD bulk petroleum logistic system; eliminate duplication of effort.

3. Natural Gas and Coal. This manual implements DoD policy guidance and management procedures for central procurement of **natural** gas, coal, and vehicular alternative fuels.

B. APPLICABILITY AND SCOPE, This manual applies to:

1. Office of the Secretary of Defense (OSD), Military Services and Reserve Components, **Chairman-Joint** Chiefs of Staff (Joint Staff), Unified Commands, and the Defense Agencies (hereafter referred to collectively as "DoD Components"); "**Military Services**" refers to the Army, Navy, Air Force, Marine Corps, and Coast Guard.

2. DoD Components concerned with bulk petroleum logistics planning and support, and **offices** that design, develop, purchase, operate, modify, test, or evaluate weapon systems or combat-support equipment, including **fuel** storage facilities and distribution equipment.

C. DEPARTMENT OF DEFENSE (DoD) POLICY

1. Goal. DoD bulk petroleum programs shall support the DoD peacetime and wartime missions and permit **successful** deployment and employment of forces at minimum cost.

2. Fuel Standardization. DoD Components will minimize the number of bulk petroleum products to be stocked and distributed, plan to use fuels readily available worldwide, and minimize the military-unique characteristics of DoD fuels. DoD Components shall plan, program, and budget to design and **qualify** new systems to use readily available commercial **mid-distillate** type fuels.

3. Inventory Levels. DoD Components shall minimize inventories consistent with peacetime and contingency needs of U.S. military forces worldwide. Inventories will be categorized as POS and BPWRS.

4. Petroleum Operating Stock (POS). POS may be established and held IAW procedures in volume II, chapter 11 of this manual.

5. Bulk Petroleum War Reserve Stock (BPWRS). BPWRS shall be in addition to peacetime stocks. BPWRS shall be based upon the most demanding requirement for each location. BPWRS consists of stocks to support deployment and combat operations and is sized to meet requirements until **fuel** can be resupplied from a secure source. Sourcing and BPWRS guidance shall be developed by the Chairman of the Joint Chiefs of **Staff** and recommended to the Under Secretary of Defense (Acquisition & Technology) for approval.

D. RESPONSIBILITIES

1. The Under Secretary of Defense For Acquisition & Technology (USD(A&T)) shall:

a. Establish policies, grant policy waivers, approve changes in responsibilities for management of bulk petroleum stocks and facilities, and provide procedural guidance to the DoD Components; and ensure their effective implementation.

b. Act as the DoD claimant to the Department of Energy (DoE) for required petroleum products.

c. **Review** contingency BPWRS levels recommended by the **Chairman** of the Joint Chiefs of Staff and **establish** policy guidance.

2. The Deputy Under Secretary of Defense (Logistics) (DUSD(L)) shall serve as the DoD central administrator for **energy** management and **IMM** oversight responsibility for **fuel** products.

3. The Department of Defense Controller (DoD(C)) in coordination with USD(A&T) shall establish financial policies and guidance for the management of bulk petroleum products.

4. The Secretaries of the Military Services shall:

a. Provide for the operation of petroleum facilities under their **cognizance**; control the issue, receipt, and management of stocks at operating locations; plan, program, fund, and perform operation/organizational maintenance of facilities located on their installations (**hereafter called** bases) in support of their missions (see chapter 8, section L. of this manual); and design, fund, and construct petroleum facilities used solely in support of the **Military Services'** petroleum management missions.

b. Implement the fuel **standardization** policies in subsection C. 2, above.

c. Assist the Defense Logistics Agency (DLA) in the selection **and** assignment of priority to military construction (**MILCON**) projects identified for the DLA **MILCON** program; and provide base-level technical support for the **DLA-funded** maintenance, repair, and construction at military base-level petroleum facilities.

d. Manage **military-unique** or **theater-assigned** bulk petroleum transportation assets.

e. compute wartime petroleum demands based upon Unified Commands operations plans, wartime fuel consumption rates, war reserve requirements by location, and establish daily wartime demand profile.

f. Provide **data** on all BPWRS to DLA and Unified Commanders in accordance with procedures in volume II, chapter 11 of this manual.

g. DoD Components shall **make** maximum use of commercial and host-nation sources of supply to meet

peacetime and wartime requirements.

h. Perform specific responsibilities as stated in paragraphs D.4.i., D.4.j. and D.4.k., below, unless these responsibilities are assigned elsewhere by paragraph D.7.o.

i. The Secretary of the Army shall provide management of overhand petroleum **support**, including inland waterways, to U.S. land-based forces of all the DoD Components. (Note: The Army has transferred the bulk petroleum transportation mission on the main islands of Japan, excluding Okinawa, to DLA.) To ensure wartime support, the Army tactical storage and distribution systems shall supplement existing fixed facilities to include host-nation assets and commercial storage. The Army shall be responsible for inland distribution planning during wartime.

j. The Secretary of the Navy shall provide **seaward** and over-water bulk petroleum shipments to the high-water mark for U.S. sea and land-based forces of **all** DoD Components.

k. The Secretary of the Air Force shall provide distribution of **bulk** petroleum products by air. This method of movement is reserved for situations demanding immediate support at remote **locations**.

5. The Chainman of the Joint Chiefs of Staff(CJCS) shall:

a. Provide an annual report on host-nation support (i-INS) agreements which support fuel requirements, distribution shortfalls, and the state of such negotiations to USD(A&T).

b. Recommend contingency war reserve stock **levels** to USD(A&T).

c. Prescribe procedures for reporting DoD Component petroleum planning data to alliance or other host nation authorities involved in combined defense planning.

d. Recommend changes to the responsibilities in subsections D.6. and D.7., below, to USD(A&T).

6. The Commander in Chief. U.S. Transportation Command (CINCTRANS) shall plan for and provide air, land, and sea transportation of fuels for the DoD in peace and war. These efforts will supplement and not replace the primary responsibilities assigned to the **Military Services** and DLA, especially with regard to

intro-theater and inland fuel movement and distribution.

7. The Commanders of Unified Commands shall:

a. Plan, manage, and coordinate the receipt, storage, and distribution of petroleum products in theater in coordination with the Director, DLA.

b. Plan to convert from **primary** to alternate **fuels** as needed.

c. Coordinate and prioritize DLA **MILCON** and qualified maintenance and repair projects for petroleum facilities within theater. Further, coordinate DFSC tankage leasing plans and related activities.

d. Ensure fuel requirements, operations, and constraints are **addressed/published** in the fuels annex of *operations plans (OPLANS)*.

e. Negotiate in conjunction with DLA formal HNS and coordinate the development and release of combined **and/or** alliance petroleum planning data.

f. Release or reallocate **BPWRS** in an emergency or war.

g. **Direct** DLA elements **within their** geographic area to ensure effective operations of storage and distribution facilities following approval from the Director, DLA or **CJCS**; such approval may be coordinated through the appropriate DFR. This authority is defined **as** that required to ensure the coordination of: (1) movement and evacuation of personnel, (2) **stockage** and distribution of petroleum products, and (3) acquisition or construction, maintenance, operation, and disposition of petroleum facilities and associated services.

h. Provide physical security and administrative and logistic support for DLA elements as agreed to by **DLA/DFSC** and the component command under **interservice** support agreements (ISAS).

i. Exercise administrative direction over DLA elements consistent with that which is exercised over other DoD Components relating to such matters as status of forces and other agreements with host nations, standards of dress and conduct, general **theater** regulations, and war and emergency plans.

j. Advise the Director, DLA, of any recommended changes to or dissatisfactions with the type, adequacy, and responsiveness of logistic support provided by DLA. Unresolved issues between the

Director, DLA and Commanders of Unified Commands will be referred to CJCS for resolution or to **DUSD(L)** via **ADUSD(L)** for final determination when a negotiated resolution cannot be achieved.

k. May assume **temporary** operational control (**OPCON**) of DLA elements overseas in a major emergency in accordance with coordinated memorandum of understanding. Unified Commanders shall determine when **an** emergency necessitates assuming such control and if so, shall promptly **notify** the **CJCS**, component operational commanders, and DLA Director of the nature and estimated duration of the control. Note, this paragraph addresses Unified Commands only. (**OPCON** is defined in Joint Pub 1-02, DoD Dictionary of Military and Associated Terms.)

1. Make maximum use of available stocks in *adjacent theaters to support regional contingency* requirements.

m. Coordinate the quality surveillance program within the command.

n. Establish subarea petroleum offices (**SAPOs**) as **necessary**, at the subunified **command level** to provide in country or regional **staff** management functions.

o. Direct tactical movement of fuel by means available to any DoD Component in a theater of operations, as necessitated by circumstances.

8. The Director, Defense Logistics Agency (DLA) shall :

a. Execute the integrated materiel management (**IMM**) responsibility for bulk petroleum products: procurement, ownership, quality **surveillance**, accountability, budgeting, and distribution of stocks to the point-of-sale at **military** bases and Federal facilities worldwide.

(1) Plan, program, budget, and fund facility **maintenance** and repair, and construction of new permanent storage and associated distribution facilities.

(2) Design and execute maintenance, repair, and construction projects in coordination with the Military Services and Unified Commanders.

(3) Plan, program, budget, and fund for contract storage and associated services in support of the DLA bulk petroleum management mission.

(4) Negotiate and conclude international agreements, in conjunction with the Commander in Chiefs (CINCs), to provide bulk petroleum products, additives, **laboratory** testing, facilities,, pipelines, and related **services** IAW DoD Directive 5530.3 and DoD 7220.9-M (see reference index). Responsibilities associated with mutual support agreements (**RIK** and FEA) are addressed in volume II, chapter 10.

b. Develop contingency support plans in concert with Unified Commanders to acquire the necessary petroleum products, storage, **and/or** associated services in support of military needs.

c. Provide technical support involving military specifications; coordinate with military technical authorities when operational exigencies require that **other-** than-specified fuels be used to meet operational requirements.

d. Allocate resources in support of BPWRS requirements, compute POS requirements, and develop **an** “inventory management plan” that lists approved inventory levels and uncovered requirements by location.

“e. Develop the annual quantity of bulk petroleum **war** reserves requested for **funding** in any fiscal year.

f. Continuously evaluate the petroleum market and advise the **USD(A&T)**, **CJCS**, and **Military Services** of considerations critical to peacetime and wartime operations and planning.

g. Establish and maintain DFRs or DFOS as necessary.

h. Publish and maintain DoD 4140.25-M IAW administrative guidance in DoD 5025.1-M (see reference index) *in* coordination with the DoD Components. Unresolved issues will be addressed by **DUSD(L)MRM** for resolution.

i. Assign DFSC as the DLA representative on the MILSPETS Focal Point Committee, Assign Defense Logistics Management Standards **Office** (DLMSO) as the DoD central representative for coordinating MILSPETS procedural and data element program changes with the **Military Services**,

E. PROCEDURES. See volumes 11 and V for petroleum products; **volume III** for natural gas; and volume IV for coal.

F. REPORTING REQUIREMENTS

1. NATO reporting requirements are discussed in the North Atlantic Council procedures (AC/12 and AC/1 12).

2. Data for HNS agreements in paragraph **D.5.a.**, above, are reported under Report Control Symbol (RCS): DD-P&L(A)1726.

3. Data and RCS with concise titles are reported to **DLA/DFSC** by the DFRs, Military Services and **CINC-JPOs** as follows:

a. Bulk Petroleum Products **Slate**, RCS: **DLA(M)1881(DFSC)**.

b. Bulk Petroleum Terminal Report, RCS: **DLA(W)1884(DFSC)MIN**.

c. BPWRS for DLA Terminal Storage, RCS: **DLA(A)1887(DFSC)**.

d. Projected Military purchases, RCS: **DLA(AR)1892(DFSC)**.

e. Tanker Transportation Requirements, RCS: **DLA(AR)194(DFSC)**.

G. ORGANIZATIONS

1, Defense Logistics Agency (DLA)

a. Defense Fuel Supply Center (DFSC). DFSC is the integrated manager for bulk petroleum products and associated storage facilities and the DoD central procurement agency for natural gas direct supply and **coal**. See chapter 3 of this volume for Federal Supply Classes assigned to DFSC and Defense General Supply Center (DGSC).

b. Defense Contract Management Command (DCMC). **DCMC** and **DCMC International** have been delegated **PQA** responsibility for bulk fuel.

c. Defense Fuel Regions (DFRs) and Defense Fuel Offices (DFOs). See chapter 2 of this volume for area and fictional responsibilities.

d. Defense General Supply Center (DGSC) is the DoD central procurement agency for packaged petroleum products which are supplied in containers of 55 U.S. gallons or less (quarts, gallons, and drums).

e. Defense Logistics Management Standards Office (DLMSO). See volume V, chapter 1 for area and functional responsibilities.

2. Joint Petroleum Offices (JPOs). JPOS are established to perform petroleum logistics functions and staff responsibilities. JPOS areas follows:

| <u>Command</u> | <u>Mail Address</u> |
|----------------|---|
| ACOM | CINACOM/J4 (JPO) U.S. Atlantic Command Norfolk, VA 23511-5100 |

Message Address

USCINACOM NORFOLK VA//J4//

| <u>Command</u> | <u>Mail Address</u> |
|----------------|--|
| CENTCOM | HQ USCENTCOM/CCJ4-7-OP U. S. Central Command 7115 South Boundary Blvd. MacDill AFB, FL 33621-5101 |

Message Address

USCINCCENT MACDILL AFB FL//CCJ4-7-OP//

| <u>Command</u> | <u>Mail Address</u> |
|----------------|---|
| PACOM | CINCPAC U. S. Pacific Command Box 64020, ATTN: J422 Camp H.M. Smith Hawaii 96861-4020 |

Message Address

USCINCPAC HONOLULU HI//J422//

| <u>Command</u> | <u>Mail Address</u> |
|----------------|---|
| EUCOM | CINCEUR/ECJ4-LIJ U.S. European Command Unit 30400, Box 1000 APO AE 091284209 |

Message Address

USCINCEUR VAHINGEN GE//ECJ4-LIJ//

| <u>Command</u> | <u>Mail Address</u> |
|----------------|---|
| SOUTHCOM | CINCSO/SCJ4-JPO U. S. Southern Command Unit 1140 APo AA 34003 |

Message Address

USCINCSO QUARRY HEIGHTS PM//SCJ4-JPO//

3. Service Control Point (SCP). SCPS established by the **Military Services** serve as the central management function in coordinating requirements, technical issues, and supply actions with military units and DFSC. SCPS areas follows:

a. Army US. Army Petroleum Center/SATPC-L
New Cumberland, PA 17070-5008

Msg. Add: USAPC New Cumberland PA//SATPC-L//

b. Navy Navy Petroleum Office/NPO-20
5010 Duke Street
Cameron Station T-40
Alexandria, VA 22304-6180

Msg. Add: NAVPETOFF ALEXANDRIA VA//NPO//

c. Air Force: Air Force Fuels Division
(Det 29 SA-ALC/SFM)
Cameron Station, Bldg. 8
Alexandria, VA 22304-6160

Msg.Add: DET 29 SA ALC
CAMERON STATION//SFM/

4. Military Sealift Command (MSC). MSC as the Navy's agent shall provide transportation support to DFSC for the movement of bulk petroleum products via **ocean tankers/barges**. See volume II, chapter 6 of this manual for associated interface procedures.

5. Military Traffic Management Command (MTMC). MTMC shall provide DFSC traffic **support**/data required to move bulk **fuel** via land transportation within CONUS which includes water shipments within the Great Lakes, inland waterways, and the **inter/intra-coastal** waterways. See volume II, chapter 6 of this **manual** for associated **interface** procedures.

H. DLA/DFSC/DFR SUPPLY ASSISTANCE

1. DLA manages a Customer Supply Assistant Program (**CSAP**) worldwide designed to resolve customer problems and improve supply procedures and response to customer fuel requirements for **DLA-managed** products.

2. DFSC may establish Petroleum Management Assistant Teams (**PMATs**) to **visit/assist DFRs** and **DFSPs** in resolving logistic management problems and improving supply procedures. For military assistance,

visits may be requested by the local commander or major command via the SCP. DFSC initiated visit will be coordinated with the SCP and the major command of the military base.

3. DFRs and base fuel offices at GOGO DFSPS shall assist customers with fuel supply and distribution problems.

4. The Command Control Center (CCC) at the Defense Fuel Supply Center is the focal point for all problems and emergencies during non-duty hours. The phone numbers are as follows:

- a. DSN 284-8105, 8106
- b. COM 703-274-8105, 8106
- c. Cellular 703-407-5698

I. DFSC'S ORGANIZATIONAL STAFF, DFRs, AND DFOs

- o Commander ----- DFSC-D
- o Deputy Commander ----- DFSC-DD
- o Executive Officer ----- DFSC-DE
- o Public Affairs office ----- DFSC-DB
- o Small Business Office ----- DFSC-DU
- o Internal Review Office ----- DFSC-DI
- o Directorate of Alternative Fuels ----- DFSC-A
- o Directorate of Facilities Management ----- DFSC-F
- o Office of Counsel ----- DFSC-G
- o Office of Market Research and Analysis ----- DFSC-N
- o Directorate of Supply Operations ----- DFSC-O
- o Directorate of Contracting and Production ----- DFSC-P
- o Directorate of Quality Assurance & Technical Operations ----- DFSC-Q
- o Directorate of Resources Management ----- DFSC-R
- o Office of Telecommunications & Information Systems ----- DFSC-Z
- o Defense Fuel Region - Northeast ----- DFR-NE
- o Defense Fuel Region - Central ----- DFR-C
- o Defense Fuel Region - South ----- DFR-S

- o Defense Fuel Region - West ----- DFR-W
- o Defense Fuel Region - Europe ----- DFR-E
- o Defense Fuel Office - Italy ----- DFO-I
- o Defense Fuel Office - NATO ----- DFO-NATO
- o Defense Fuel Office - Turkey ----- DFO-T
- o Defense Fuel Office - United Kingdom ----- DFO-UK
- o Defense Fuel Region - Pacific ----- DFR-P
- o Defense Fuel Office - Alaska ----- DFO-A
- o Defense Fuel Office - Korea ----- DFO-K
- o Defense Fuel Office - Japan ----- DFO-J
- o Defense Fuel Region - Middle East ----- DFR-ME

CHAPTER 2

DFSC FIELD REPRESENTATION

A. GENERAL

1. DFRs and DFOS provide regional logistic support for DFSPS worldwide.

2. Functional responsibilities may be delegated between DFSC and the Services by mutual consent for management *efficiency*. DFRs may initiate ISAS with military units in **coordination** with **DFSC-R** IAW DoD Directive 4000.19 and DoD 4000.19-R (see reference index).

3. DFSC is authorized to form a petroleum management assistance team to **visit/assist** DFSPS in an effort to improve logistic support, resolve supply problems, etc.; such visits to military bases will be coordinated with the base commander, major command and the SCP.

B. CONUS DFRs

AREA OF RESPONSIBILITY

1. **DFR-Northeast (DFR-NE)**
2404 Tuskegee ~~Airmen~~ Ave
McGuire AFB, NJ 08641-
5112
Phone: DSN 440-3766
COM 609724-3766
FAX DSN 440-3106

Connecticut, Delaware, District of Columbia, **Maine**, **Maryland**, **Massachusetts**, New Hampshire, New Jersey, New York, **Pennsylvania**, Rhode **Island**, Vermont, Virginia, and West Virginia.

2. **DFR-Central (DFR-C)**
8900 S. Broadway, **Bldg. 2**
St. Louis, MO 63125-1513

Phone: DSN 693-8346
COM 314-263-8346
FAX DSN 693-8429

Colorado, Illinois, **Indiana**, **Iowa**, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, Ohio, North **Dakota**, South Dakota, Wisconsin, and Wyoming

3. **DFR-South (DFR-S)**
Federal Bldg., Room 1005
2320 **LaBranch** Street
Houston, TX 77004-1091

Phone: DSN 940-1152
COM 713-750-1371
FAX 713-750-1891

Alabama, Arizona, Arkansas, Florida, Georgia, Louisiana, **Mississippi**, New Mexico, North Carolina, Oklahoma, South Carolina, **Tennessee**, **Texas**, **Mexico**, Puerto Rico, West Indies, the Caribbean, **Central America**, and South **America**.

4. **DFR-West (DFR-W)**
3171 N. **Gaffey** Street
San Pedro, CA 90731-1099

Phone: DSN 972-3090
COM 310335-3090
FAX 310335-3099

California, Idaho, Nevada, **Utah**, Montana, **Oregon**, and Washington.

C. CONUS DEFENSE FUEL REGIONS (DFRs) - FUNCTIONS

1. General. DFRs **provide valuable** petroleum expertise in supplying bulk petroleum products to the DFSPS and Federal Agencies. **DFRs** coordinate **delivery** orders with industry, assist DFSPS in resolving logistical problems, supply-emergency requirements, and ensure DFSPS have a continuous and reliable source of **fuel**.

2. Ordering Fuel. Distribution Plans (**DPs**) and associated Distribution Plan Authorizations (**DPAs**) provide DFRs with the source of supply for DFSPS. **DFRs**:

a. Prepare and distribute Source Identification and Ordering Authorizations (**SIOATHs**) based on DP/DPAs. **SIOATHs** document and inform base-level DFSPS of their supply sources, such as refineries or intermediate **DFSPs**.

b. Control and place orders for product delivered by tank **truck/car**, lake tankers, barges, and pipelines to **DFSPs** in CONUS.

c. Provide alternate or **supplementary** sources of supply (for base-level **DFSPs**) on a **temporary** basis, as needed, coordinate with the Contracting Officer when contractors fail to perform.

d. Prepare tanker slates in CONUS.

3. Transportation. DFRs shall:

a. Provide transportation support for product delivered to **DFSPs** and ships; plan, arrange, and direct delivery in coordination with **Military Traffic Management Command (MTMC)**.

b. Arrange shipment of product by barges, pipelines, rail and tank trucks to include ordering and scheduling of equipment and coordination of duties with supply personnel.

c. Submit requests for contract barge service to the **Military Traffic Management Command Eastern Area (MTMCEA)**; control and maximize the **efficient** use of **barges** in dedicated contract service.

d. Recommend to **DFSC-OT** the use of commercial pipeline systems whenever economically feasible and use of Government-operated barges, small tankers or” other vessels when they can be efficiently utilized in distribution of DLA-owned fuel.

e. Review discrepancies in shipments, ensure such are investigated and documented, and initiate liability action as required.

f. Validate and approve carrier invoices for detention/demurrage claims associated with tank truck/car, barge, and lake tanker shipments. Disputed claims are forwarded to **DFSC-OT** for resolution.

4. DFSP Operation. DFRs shall:

a. *Monitor* DFSP inventory levels *reported in* the Inventory Managetnent Plan (IMP); coordinate with DFSP operators in maintaining stock levels; provide receipt/shipment instructions and monitor terminal conditions for quality upkeep, safety practices, etc.

b. Monitor and coordinate receipts and shipments of product at **GOCO/COCO DFSPs**; perform property administration for the Contracting **Officer** in protecting Government interest.

c. Review accountable records at **contractor-**operated facilities for DLA-owned products to determine if losses exceed the prescribed allowances. Contractors at contractor-operated terminals are liable for losses in cases of negligence, bad faith, or willful misconduct, unless **otherwise** stated in the contract; such losses are investigated by DFRs (property administrator) who advise the Commanding **Officer** of the circumstances (contractor report, findings and recommendation).

5. Procurement Quality Assurance (PQA), a contract **administration function**, is performed by Defense Contract Management Districts (**DCMD**) worldwide. See volume II, chapter 3 of this manual for program guidance and functional responsibilities.

6. Quality Surveillance (QS). DFRs shall develop regional **QS** programs designed to maintain proper quality of DLA-owned petroleum products in coordination with **DFSC-Q**. DFRs shall:

a. Perform QS at DFSC contracted GOCO and COCO DFSPs.

b. Provide advice and assistance to base-level DFSPS in maintaining proper quality of fuel to ensure it

is suitable for use IAW volume H, chapter 7 of this manual. **DFR** Quality Representative (QR) shall periodically visit individual facilities to assist with quality concerns and to ensure customer satisfaction.

c. Submit annual proposed stock rotation plans to DFSC-O for dormant stocks and periodic quality data for **GOCO/COCO DFSPs**. Upon direction of **DFSC**, DFRs shall arrange for shipment of product. Further, DFRs shall coordinate stock rotation efforts with terminal operators at GOGO DFSPS.

d. **Notify DFSC-O/Q** immediately of quality problems that may affect supply operations (e.g., direct “support tankage off-specification problems with tanker loads).

e. Assess the procedures used to *receive* and **maintain** the quality of DLA-owned product stored at military facilities, after prior notification to themilitary activity.

7. Emergency Support. Commercial fuel stocks, transportation resources, and certain commercial petroleum facilities are subject to control by Federal Emergency Management Agency (**FEMA**) during a national emergency.

a. DFRs shall develop/coordinate emergency plans with FEMA regional offices to supply fuel during local and national crises.

b. DFRs **monitor/maintain** war reserve stock levels at **DFSPs** and develop **Emergency** Distribution Plans (**EDPs**) in support of contingency requirements at base-level **DFSPs**. EDPs are designed to provide a source of logistic support in supplying **fuel** to base-level DFSPS in a crisis. DFRs make tentative arrangements with commercial carriers to provide deliveries in a national crisis. EDPs are updated annually in **coordination** with the **SCPs**.

| <u>ID. OVERSEAS DFRs</u> | <u>AREA OF RESPONSIBILITY</u> |
|--|---|
| 1. DFR-Europe (DFR-E) Unit 23306 APO AE 09189 | Continental Europe, United Kingdom, Mediterranean Sea, Iceland, Scandinavia, Azores,Tnrkey, and Africa (less the countries assigned to DFR-ME) |

Phone: Pirmasens, Germany
DSN 495-6010/601 1/6013
COM 49633-192049
FAX 011495-6026 or 6030

2. **DFR-Middle East (DFR-ME)** Afghanistan, Pakistan, PSC451 > BOX 386 Jordan, Iran, Iraq, FPO AE 09834-0386 Saudi Arabia, Oman, United Arab Emirates, Bahrain, Kuwait, Qatar, Yemen, Djibouti, Egypt, Ethiopia, Kenya, Somalia and Sudan.

Phone: Juffair, Bahrain
DSN 318 439-4650
COM011 973-724-650

FAX DSN 318-439-4670
FAX COM 011-973-724-670

3. **DFR-Pacific (DFR-P)** Hawaii, Marianas, Philippines Korea, Box 20 Japan, Ryukyu Island, Taiwan, Australia, New Zealand, Thailand, Malaya, East Indies, Burma, Sri Lanka, Indian Ocean, South Pacific Alaska, and the Aleutian Islands.

- a. **(DFO-A)**
6920 12th Street
Elmendorf AFB, AK 99506-2570

Phone:
DSN317 552-5777
COM 907552-3760
FAX 907753-0517

- b. **DFO-Korea (DFO-K)** Korea.
Unit 15015
APO AP 96218-0171

Phone: Taegu, Korea
DSN315 764-5205/5074
COM011 8253-620-5204
FAX 0118253-620-6701

E. OVERSEAS DEFENSE FUEL REGIONS (DFRs) - FUNCTIONS

1. **General.** The overseas DFRs and DFOS represent DFSC in the Middle East, Far East, Europe, and Pacific. Overseas DFRs shall:

a. Act as liaisons for DFSC in support of contract administration **functions**, inventory management, **DFAMS**, coordinate supply actions with JPOS such as stock rotation plans, and assist in slate preparation in coordination with **JPOs**.

b. Conduct field surveys for potential suppliers and assist DFSC in other contractual matters, as requested.

c. Provide guidance to CINC Component Commands in preparing reports and accountable documents.

d. Serve as the Designated Intermediate Control Point (DICP) for COCO DFSPS (and GOCO/GOGO DFSPS as needed) for reporting supply transactions to DFAMS databank.

e. Request crime prevention **surveys** and report incidents of suspected fraud or other criminal activity during shipments of DLA-owned **fuel** IAW DLAR 5705.1 (see reference index).

f. Monitor and coordinate receipts and shipments of products at **DFSPs**; perform property administration for the Contracting Officer in protecting Government interest.

g. Review accountable records at contractor operated facilities for DLA-owned products to determine if losses exceed the prescribed allowances. Contractors at contractor-operated terminals are liable for losses in cases of negligence, bad faith, or willful misconduct. Incidents of loss are investigated by the **DFRs** (property administrators) who advise the Contracting **Officer** of the circumstances (contractor report, findings and recommendations).

h. Coordinate DPs with **CINC-JPOs** and prepare **SIOATHs** based on DPA data; see volume II, chapter 4 of this manual for program guidance.

i. Manage U.S. interests in overseas pipelines and negotiate with host nations.

j. Review Military Service component war plans.

k. Serve as theater central point of contact for **DFAMS**.

2. **Ordering Fuel.** DPs and associated DPAs provide DFRs with the source of supply for **DFSPs**. DFRs shall:

a. Prepare and distribute **SIOATHs** based on **DPs/DPAs**. Prepare **SIOATHs** document and inform base-level **DFSPs** of their supply sources, such as refineries or intermediate DFSPS.

b. Control and place orders for product or delegate ordering **authority** to user activity. Overseas status of **SIOATHs** in area.

3. Quality Surveillance (QS) and Property Administration. DFRs/DFOs perform QS in support of DLA-owned **fuel** at DFSPs. QS **functions** are published in MIL-HDBK-200. DFRs/DFOs perform contract administration functions such as property administration. DFRs and DFOS provide technical advice and assistance to military bases. Military bases perform QS in support of DLA-owned **fuel** in their custody on-base. After prior notification to the **military** activity and the SCP, DFSC may assess the procedures used to receive and maintain the **quality** of DLA-owned product.

4. Defense Fuel Offices (DFOs). DFOS are sub-regional **offices** of overseas DFRs. They perform transportation and **traffic** management **functions** of an overseas SAPO as directed by the CINC such as the overseas product slating report RCS: DLA (M) 1881 (DFSC). Their primary function is to act as liaison for the DFR in support of contract administrative functions, inventory management, DFAMS, **transportation** and **traffic** management. DFOS also perform quality surveillance in support of DLA-owned **fuel** received, stored and shipped in their regional area. DFOS are located in Europe and the Pacific.

CHAPTER 3

PETROLEUM PRODUCTS

A. FEDERAL SUPPLY CLASS (FSC) RESPONSIBILITY

1. FSC 6810. Chemicals. The Defense General Supply Center (DGSC) has management and procurement responsibility for this FSC.

2. FSC 6830, Compressed and Liquefied Gases. DGSC has management and procurement responsibility for this FSC except for natural gas. Natural gas is not under integrated management; however, DFSC is the central source procurement agency for this product in DoD (see volume III of this manual on natural gas).

3. FSC 6850. Miscellaneous Chemical Specialties. DGSC has management and procurement responsibility for this FSC except for bulk Fuel System Icing Inhibitors, National Stock Numbers (NSF-J) 6850-01-057-6427 and 6850-00-082-2522. For these two bulk items DFSC has procurement responsibility.

4. FSC 9110. Solid Fuel. DGSC has management and procurement responsibility for this FSC except for coal. Coal is not under integrated management however, DFSC is the central source procurement agency for this product in DoD (see volume IV of this manual on coal).

5. FSC 9130. Petroleum Based Liquid Propellants and Fuels. DFSC has management and procurement responsibility for most items in this FSC. DFSC does not stock packaged fuels in this FSC, but will procure them for direct delivery to the end user. The Military Services shall fund for the 500 gallon (1900 liter) collapsible fabric drums. The following items are assigned to San Antonio Air Logistics Center by ODUSD(L)MRM for central management and procurement

a. 9130-00-180-6385. MIL-T-38219 (USAF), Turbine Fuel, Low Volatility, JP-7.

b. 9130-00-551-2264. MIL-T-25524 (USAF), Turbine Fuel, Aviation, Thermally Stable, JPTS, bulk.

c. 9130-00-543-7832. MIL-T-25524 (USAF), Turbine Fuel, Aviation, Thermally Stable, JPTS, 55-gal drum, 16 gage.

d. 9130-00-543-7833. MIL-T-25524 (USAF), Turbine Fuel, Aviation, Thermally Stable, JPTS, 55-gal drum, 18 gage.

e. 9130-00-543-7429. MIL-P-25576, Propellant, Kerosene, bulk.

f. 9130-00-559-2475. MIL-P-25576, Propellant, Kerosene, 55-gal drum.

6. FSC 9140. Fuel Oils. DFSC has management and procurement responsibility for items in this FSC. DFSC does not stock packaged fuels in this FSC, but will procure them for direct delivery to the end user. The Military Services shall fund for the 500 gallon (1900 liter) collapsible fabric drums.

7. FSC 9150. Cutting, Lubricating, Hydraulic Oils and Greases. DGSC has management and procurement responsibility for items in this FSC except bulk lubricants. DFSC has management and procurement responsibility for the following bulk lubricants:

a. 9150-00-181-8232. MIL-L-9000, Lubricating Oil, Engine, Military Symbol 9250.

b. 9150-00-235-9046. MIL-L-1733 1, Lubricating Oil, Steam Turbine and Gear, Moderate Service, MIL Symbol 2190 Tep.

c. 9150-00-451-6947. A-A-52039, Lubricating Oil, Automotive Engine, API Service SG, Grade 10W-30.

d. 9150-00-753-5059. MIL-L-2851, Lubricating Oil, Aircraft Piston Engine (Ashless Dispersant), Type II, NATO Code 0128.

e. 9150-00-985-7031. MIL-L-6081, Lubricating Oil, Jet/Engine, Grade 1010, NATO Code 0-133.

f. 9150-01-359-8567. MIL-L-2 1260, Lubrication Oil, Internal Combustion Engine, Preservative and Break-In, Grade 15 W-40.

B. BULK PETROLEUM PRODUCTS. See volume V, appendix A62 of this manual for a listing of petroleum products arranged by category of product, NSN,

nomenclature, NATO code, U/I, and by product codes within each category. The product codes are registered in the DoD **Data** Element Program **consistent** with **MILSPETS**.

CHAPTER 4

FUEL STANDARDIZATION AND CATALOGING

A. STANDARDIZATION POLICY

1. Conventional turbine-powered aircraft shall be capable of achieving **acceptable** operational performance using kerosene-type turbine fuels. Aircraft support systems shall be capable of achieving acceptable **performance** using the same fuels as used by the supported systems.

2. Combat and combat support vehicles and equipment shall be capable of achieving acceptable operational performance using both kerosene-type turbine fuels and diesel fuels.

3. Conventionally powered vessels shall be **capable** of achieving acceptable performance using marine middle distillates, both **military** and commercial.

4. Storage and distribution facilities and equipment must be designed and maintained with the capability to safely receive, store, and issue alternate **grades** of petroleum products when primary grades cannot be obtained in sufficient quantities. NOTE: Existing storage need not be upgraded solely to handle **alternate** product grades solely to comply with such policy.

B. RESPONSIBILITIES

1. DFSC Quality Assurance and Technical Services (DFSC-Q) shall:

a. Perform standardization for Federal Supply Classes (**FSC**) **91GP**, 9110, 9130 and 9140 in accordance with DoD 4120.3-M. Perform cataloging **functions** for FSC 9130 and 9140 in accordance with DoD 4130.2-M.

b. Coordinate product standardization data with DoD Components and the oil **industry** to provide effective and economic procurement of petroleum products and associated technical manuals and handbooks.

c. Interchange cataloging data with Defense Logistics Services Center (**DLSC**) IAW DoD 41 00.39-M.

d. Initiate cataloging actions IAW DoD 4130.2-M.

e. Serve as the central coordinating position for quality and technical assistance in support of petroleum products supplied by DFSC.

f. Represent the **Office** of the **Secretary** of Defense in the coordination of (1) **international** petroleum standardization programs and (2) interchangeability of petroleum products consistent with DoD Directives 2010.6 and DoD Instruction 5000.2 (see reference index).

2. Military Services shall:

a. Develop product specifications consistent with DoD 4120.3-M (see reference index).

b. Determine the technical characteristics of petroleum products required to meet their operational needs.

c. Conduct lab tests in support of **standardization** efforts.

d. Provide DFSC-Q with specifications, standards, and related engineering data in support of procurement actions. Non-Government standards and commercial item descriptions shall be used in preference to Federal and military specifications and **standards** whenever practicable.

e. Represent their military branch at international **standardization** working groups consistent with DoD Directives 2010.6 and 5100.27 (see reference index).

C. ADMINISTRATIVE FUNCTIONS

1. Communication. The Military Services and DFSC shall exchange standardization data for **FSCS 91GP**, 9110, 9130, 9140, and bulk items in FSC 9150. Further, the Military Services and DFSC shall exchange cataloging **data** for FSC 9130, 9140, and bulk items in FSC 9150.

2. Catalog Register. DoD 4100.39-M, volume 13, discusses tables and instructions for registering technical interest at the DLSC.

3. DLSC. DLSC identifies and publishes management data lists for petroleum products.

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